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ABSTRACT

The invention provides pyridone derivatives represented by a general formula (I)

$$Ar \xrightarrow{Y_1} Y_2 \xrightarrow{Y_3} X_1 \xrightarrow{Q} Q$$

$$X_2 \xrightarrow{X_3} N \xrightarrow{X_4} X_5$$

$$X_6 \xrightarrow{X_7} Q \xrightarrow{Z_1} Z_2 \xrightarrow{N} R_2$$

$$R_1 \xrightarrow{R_2} Q$$

$$R_1 \xrightarrow{X_2} Q$$

$$R_1 \xrightarrow{X_3} Q$$

$$R_2 \xrightarrow{X_4} Q$$

$$R_1 \xrightarrow{X_4} Q$$

$$R_2 \xrightarrow{X_5} Q$$

$$R_1 \xrightarrow{X_5} Q$$

$$R_2 \xrightarrow{X_5} Q$$

$$R_3 \xrightarrow{X_5} Q$$

$$R_4 \xrightarrow{X_5} Q$$

$$R_5 \xrightarrow{X_5} Q$$

$$R_5 \xrightarrow{X_5} Q$$

$$R_7 \xrightarrow{X_5} Q$$

[in the formula, R_1 and R_2 may be same or different and stands for H, etc., or R_1 and R_2 may form an aliphatic nitrogen-containing heterocyclic group together with the N to which they bind; X_1 - X_3 may be same or different and stand for methine or N, provided not all of them simultaneously stand for nitrogen; X_4 - X_7 may be same or different and stand for methine or N, provided that three or more of them do not simultaneously stand for N; Y_1 and Y_3 may be same or different and stand for single bond, -O-, -NR-, -S-, etc; Y_2 stands for lower lkylene, etc.; R stands for H, etc., L stands for methylene; Z_1 and Z_2 may be same or different and stand for single bond or lower alkylene; or R_1 , L and R_2 may form an aliphatic nitrogen-containing heterocyclic group with the N to which R_1 binds; and Ar stands for aromatic carbocyclic group, etc.].